

ABSTRACT

A pump is provided having at least one shield valve controlled by the
5 conveyed medium and having a valve disk (4) of flexible material which is
clamped in a central region and is movable between an open and a closed
position, in which closed position the valve disk (4) closes at least one valve
opening (9). The pump according to the invention includes extensions (11)
that project from the valve disk (4) and/or on a valve abutment surface (10)
10 arranged on a side remote from the valve opening (9), for avoiding a sudden
flat abutment of the valve disk (4) on the valve abutment surface and/or for
limiting the valve opening movement. The pump according to the invention
is distinguished by a particularly low noise operation.